

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
4 August 2005 (04.08.2005)

PCT

(10) International Publication Number  
**WO 2005/071152 A1**

(51) International Patent Classification?: **D04H 13/00, 3/10**

(74) Agent: **ZACCO DENMARK A/S**; Aabouvarden 17,  
P.O. Box 5020, DK-8100 Århus C (DK).

(21) International Application Number:

**PCT/DK2005/000019**

(22) International Filing Date: **14 January 2005** (14.01.2005)

(25) Filing Language: Danish

(26) Publication Language: English

(30) Priority Data:

PA200400095 26 January 2004 (26.01.2004) DK

PA200401440 22 September 2004 (22.09.2004) DK

(71) Applicant (for all designated States except US): **LM  
GLASFIBER A/S** [DK/DK]; Rolles Møllevej 1,  
DK-6640 Lunderskov (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LILLEHEDEN,  
Lars, Tilsted** [DK/DK]; H.C. Andersens Vej 4, DK-6000  
Kolding (DK). **JACOBSEN, Torben, Krogsgaard** [DK/DK];  
Aaparken 14, DK-6640 Lunderskov (DK). **JOHNSEN,  
Raymond** [NO/NO]; Kirkegata 28, NO-6005 Aalesund  
(NO).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, **LI**, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

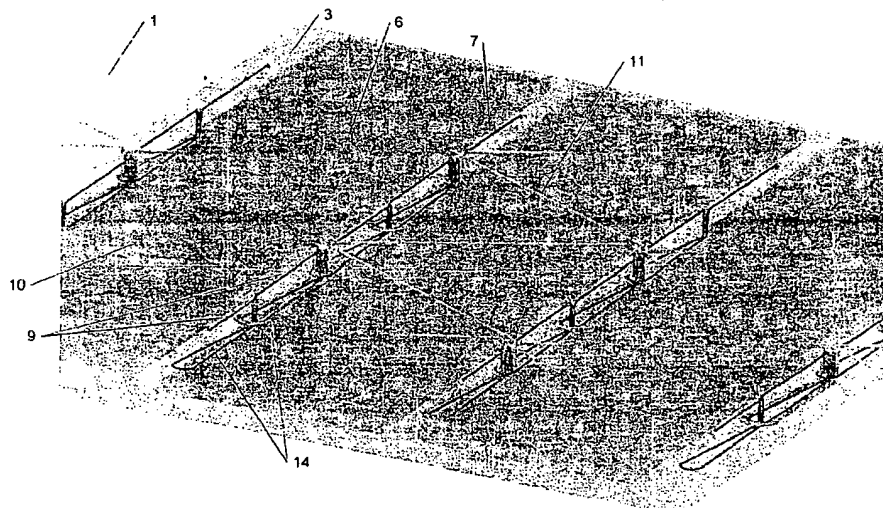
(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: **A FIBRE MAT AND A METHOD OF MANUFACTURING A FIBRE MAT**



(57) Abstract: The invention relates to a method of manufacturing a fibre mat adapted for use in the manufacture of a fibre-reinforced device, said fibre mat comprising at least two essentially longitudinally extending and parallel batches of fibres. Novel aspects of the method according to the invention involves that the method comprises that the batches are joined by holder means that span above or below each batch, whereby the holder means impart an influence to each batch which is essentially symmetrical about an axis situated longitudinally between the batches. A symmetrical influence about an axis longitudinally between the batches accomplishes that influence from one side is matched by influence from an opposite side. Hereby it is prevented that the batch will undulate. Simultaneously the batches are clearly separated, whereby resin is more easily conducted longitudinally of the batches.

WO 2005/071152 A1



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*